

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	386	"injection port" with cap	US-PGPUB; USPAT	ADJ	ON	2008/03/17 12:52
S2	0	"injection port".ti. with cap	US-PGPUB; USPAT	ADJ	ON	2008/03/17 12:59
S3	3	(("5520661") or ("5961497") or ("20020193752")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/03/17 13:00
S5	1	("5466219").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/03/17 13:02
S4	2	S3 and septum	US-PGPUB; USPAT	ADJ	ON	2008/03/17 13:02
S6	14	"injection port" with cap with septum	US-PGPUB; USPAT	ADJ	ON	2008/03/17 13:04
S7	362	"injection port" with septum	US-PGPUB; USPAT	ADJ	ON	2008/03/17 13:05
S8	11	"injection port" with (septum with slit)	US-PGPUB; USPAT	ADJ	ON	2008/03/17 13:12
S9	298	(("20010007641") or ("20010012930") or ("20010039403") or ("20010047154") or ("20010049503") or ("20010056266") or ("20020045892") or ("20020091378") or ("20020094305") or ("20020095121") or ("20020095138") or ("20020111645") or ("20020130100") or ("20020131904") or ("20020132367") or ("20020133124") or ("20020133136") or ("20020156469") or ("20020166394") or ("20020169489") or ("20020170556") or ("20020173769") or ("20030014095") or ("20030036742") or ("20030098430") or ("20030125721") or ("20030153865") or ("20030199835") or	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/05 08:36

("20040002684") or
("20040017981") or
("20040068224") or
("3841160") or
("3877310") or
("4012325") or
("4084718") or
("4274285") or
("4413534") or
("4455504") or
("4485268") or
("4511355") or
("4546659") or
("4559043") or
("4569675") or
("4592745") or
("4620170") or
("4621534") or
("4755173") or
("4760847") or
("4762981") or
("4769008") or
("4772273") or
("4775635") or
("4776841") or
("4778448") or
("4780213") or
("4790829") or
("4802885") or
("4806313") or
("4810389") or
("4815477") or
("4817637") or
("4818266") or
("4822341") or
("4828599") or
("4832054") or
("4842581") or
("4846806") or
("4872866") or
("4880414") or
("4886177") or
("4908029") or
("4915693") or
("4930535") or
("4931050") or
("4946445") or
("4952210") or
("4960409") or
("4963133") or
("4976894") or
("4981469") or
("4995865") or
("4998926") or
("4998927") or
("4999307") or
("5002059") or

("5064100") or
("5178607") or
("5193545") or
("5197982") or
("5221256") or
("5226900") or
("5236666") or
("5247972") or
("5254086") or
("5265822") or
("5281210") or
("5290248") or
("5290254") or
("5292308") or
("5309902") or
("5330424") or
("5335656") or
("5338311") or
("5346471") or
("5352205") or
("5353652") or
("5360423") or
("5376073") or
("5378230") or
("5378433") or
("5380276") or
("5400785") or
("5433195") or
("5437648") or
("5445141") or
("5451373") or
("5456675") or
("5466219") or
("5480386") or
("5486159") or
("5487728") or
("5490736") or
("5495855") or
("5496274") or
("5496288") or
("5496301") or
("5501667") or
("5514100") or
("5514117") or
("5516491") or
("5520643") or
("5531672") or
("5536262") or
("5549582") or
("5553748") or
("5554117") or
("5562618") or
("5571093") or
("5588952") or
("5591329") or
("5607393") or
("5607407")).PN. or

(("5613945") or
("5622869") or
("5632729") or
("5647845") or
("5649998") or
("5656035") or
("5665311") or
("5667500") or
("5669502") or
("5683640") or
("5685862") or
("5685875") or
("5688253") or
("5689542") or
("5696380") or
("5702033") or
("5704915") or
("5707361") or
("5707536") or
("5708220") or
("5711917") or
("5712421") or
("5718678") or
("5721576") or
("5725017") or
("5738091") or
("5738648") or
("5743861") or
("5743873") or
("5746727") or
("5750906") or
("5766211") or
("5772607") or
("5776113") or
("5777646") or
("5778681") or
("5782816") or
("5797897") or
("5814275") or
("5815182") or
("5833213") or
("5853394") or
("5866910") or
("5871500") or
("5871641") or
("5882528") or
("5882601") or
("5885532") or
("5889197") or
("5891105") or
("5897526") or
("5899888") or
("5900896") or
("5919146") or
("5925569") or
("5941848") or
("5945070") or

("5950986") or
("5954313") or
("5954687") or
("5954691") or
("5957890") or
("5957894") or
("5971220") or
("5976103") or
("5980834") or
("5983734") or
("5989216") or
("5994705") or
("6004819") or
("6007516") or
("6012453") or
("6035697") or
("6077478") or
("6085815") or
("6096024") or
("6109480") or
("6110730") or
("6113068") or
("6145688") or
("6158458") or
("6162206") or
("6164771") or
("6171261") or
("6178832") or
("6190616") or
("6193684") or
("6193697") or
("6206851") or
("6213996") or
("6213996") or
("6217568") or
("6217568") or
("6228060") or
("6261266") or
("6289751") or
("6293162") or
("6293294") or
("6299131") or
("6352521") or
("6360784") or
("6375028") or
("6395235") or
("6406671") or
("6409528") or
("6418800") or
("6447498") or
("6479298") or
("6497325") or
("6506182") or
("6511165") or
("6516953") or
("6551839") or
("6569125") or

		("6579267") or ("6599273") or ("6602276") or ("6605076") or ("6607546") or ("6622882") or ("6626169") or ("6679103") or ("6689109") or ("6706022") or ("6729370") or ("6793892") or ("6802490") or ("6803022") or ("6874656") or ("6886421") or ("6905494") or ("6908226") or ("6921395") or ("6959615") or ("6962577") or ("6979323") or ("7001378") or ("7008051") or ("7041218") or ("7056316") or ("7063673") or ("7070589") or ("7087437") or ("7097632") or ("7104520") or ("7125396") or ("7127957") or ("7140592") or ("7153477") or ("7184825")).PN. or (("7198611") or ("7214215") or ("7232428") or ("7264394") or ("7288089") or ("7291144") or ("7306199") or ("7331705")).PN.				
S10	1	("6468251").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/05 08:50
S12	16	("3387609" "4197848" "4289129" "4378015" "4578063" "4752292" "4776843" "4874369" "4950260" "4976925" "5135489" "5199948" "5342316").PN. OR ("5961497").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/06/05 08:52
S11	1	("5961497").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/05 08:52

S13	853	604/246.ccls.	US-PGPUB; USPAT	ADJ	ON	2008/06/05 08:54
S16	692	604/533.ccls.	US-PGPUB; USPAT	ADJ	ON	2008/06/05 08:55
S15	784	604/256.ccls.	US-PGPUB; USPAT	ADJ	ON	2008/06/05 08:55
S14	289	604/248.ccls.	US-PGPUB; USPAT	ADJ	ON	2008/06/05 08:55
S18	1469	604/523.ccls.	US-PGPUB; USPAT	ADJ	ON	2008/06/05 08:56
S17	236	604/537.ccls.	US-PGPUB; USPAT	ADJ	ON	2008/06/05 08:56
S21	249	251/149.5.ccls.	US-PGPUB; USPAT	ADJ	ON	2008/06/05 09:00
S20	208	251/149.ccls.	US-PGPUB; USPAT	ADJ	ON	2008/06/05 09:00
S23	199	604/88.ccls.	US-PGPUB; USPAT	ADJ	ON	2008/06/05 09:02
S22	185	604/86.ccls.	US-PGPUB; USPAT	ADJ	ON	2008/06/05 09:02
S24	265	604/201.ccls.	US-PGPUB; USPAT	ADJ	ON	2008/06/05 09:03
S25	26	fluid same "circulating plate"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2008/06/05 09:08
S26	484	251/149.1.ccls.	US-PGPUB; USPAT	ADJ	ON	2008/06/05 09:11
S27	18	("3323774" "4300250" "4428397" "4544130" "4738665" "4769012" "4802506").PN. OR ("5045068").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/06/05 10:08
S28	8	valve same "circulating plate"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2008/06/05 10:14
S30	87	S29 and circulating	US-PGPUB; USPAT	ADJ	ON	2008/06/05 10:15
S29	5289	S15 or S16 or S17 or S18 or S20 or S21 or S22 or S23 or S24 or S13 or S26 or S14	US-PGPUB; USPAT	ADJ	ON	2008/06/05 10:15
S31	89730	(valve or port) and circulating	US-PGPUB; USPAT	ADJ	ON	2008/06/05 10:27
S33	4823	S31 and ("604".clas. or "251".clas. or "137".clas. or "222".clas.)	US-PGPUB; USPAT	ADJ	ON	2008/06/05 10:30

S34	416	604/249.ccls.	US-PGPUB; USPAT	ADJ	ON	2008/06/05 14:19
S35	70	("4324239" "4429856" "4842591" "5163922" "5215538" "5242393" "5242423" "5353837" "5360413" "5395348"). PN. OR ("5573516").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/06/05 14:47
S36	1	("5193749").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/05 15:18
S37	1	("7322969").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/05 15:20
S38	1	("4263940").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/05 15:29
S40	1	("5355906").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/05 16:03
S41	1	("4274407").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/05 16:09
S42	1	("6699225").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/05 16:35
S44	784	604/256.ccls.	US-PGPUB; USPAT	ADJ	ON	2008/06/05 16:37
S43	749	604/93.01.ccls.	US-PGPUB; USPAT	ADJ	ON	2008/06/05 16:37
S45	16	("4981140" "5135489" "5178607" "5199948" "5203775" "5279571" "5306265" "5324256" "5417673" "5531672" "5603706" "5989216" "6213973" "6468251"). PN. OR ("6699225").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/06/05 16:41
S46	185	604/86.ccls.	US-PGPUB; USPAT	ADJ	ON	2008/06/05 16:54
S47	3726	stagna\$4 with (port or valve)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2008/06/06 07:29
S48	1	wo-03086528-\$.did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2008/06/06 07:33
S49	1	("5954691").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/06 07:39
S50	14	stagna\$4 with (port or valve) with turbine	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2008/06/06 07:42

S51	44	stagna\$4 with (port or valve) same turbine	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2008/06/06 07:43
S52	3	((("3525357") or ("5624395")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/06 07:55
S53	14	("3525357").URPN.	USPAT	ADJ	ON	2008/06/06 08:07
S55	1	("5961497").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/06 08:23
S54	1	("5520661").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/06 08:23
S56	1	("4197848").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/06 10:17
S57	1	("6595964").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/06 10:37
S58	1	("4601703").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/06 10:44
S59	1	("3880401").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/06 11:17
S60	1	("5817069").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/06 11:52
S61	1	("4141379").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/06 11:55
S62	70	(US-20030153865-\$ or US-20070088293-\$ or US-20060155248-\$ or US-20060129109-\$ or US-20050165365-\$ or US-20080132877-\$ or US-20080097407-\$ or US-20070233046-\$ or US-20080086097-\$ or US-20050171510-\$).did. or (US-5961497-\$ or US-6045539-\$ or US-6158458-\$ or US-5954313-\$ or US-4815477-\$ or US-6569125-\$ or US-6261266-\$ or US-6193697-\$ or US-5899888-\$ or US-6217568-\$ or US-6468251-\$ or US-4197848-\$ or US-5199948-\$ or US-4141379-\$ or US-4143853-\$ or US-5222948-\$ or US-6595964-\$ or US-5449350-\$ or US-5453097-\$ or US-6171287-\$ or US-5817069-\$ or US-3880401-\$ or US-5045068-\$ or US-4769012-\$ or US-5554124-\$ or US-5234412-\$).did. or (US-	US-PGPUB; USPAT	ADJ	ON	2008/06/12 16:27

		4266614-\$ or US-4673393-\$ or US-4610665-\$ or US-6640805-\$ or US-5509433-\$ or US-7100890-\$ or US-5967490-\$ or US-5833213-\$ or US-4387879-\$ or US-7296782-\$ or US-5749861-\$ or US-5573516-\$ or US-6871838-\$ or US-5569235-\$ or US-4915687-\$ or US-5584808-\$ or US-5193749-\$ or US-4274407-\$ or US-6699225-\$ or US-7163114-\$ or US-6918500-\$ or US-5279571-\$ or US-5203775-\$ or US-5603706-\$ or US-6827709-\$ or US-4786281-\$ or US-4585435-\$.did. or (US-5501676-\$ or US-5653698-\$ or US-5242393-\$ or US-4601703-\$ or US-3525357-\$ or US-5624395-\$ or US-4426062-\$.did.				
S63	41	("3682315" "3900028" "4187149" "4219912" "4289129" "4307766").PN. OR ("4601703").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/06/12 17:30
S65	1	("3880401").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/30 07:47
S64	1	("4601703").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/30 07:47
S66	1	("4141379").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/30 07:50
S68	5238	(valve or port) and ((swirl or swirling or swirled) with (fluid or liquid))	US-PGPUB; USPAT	ADJ	ON	2008/12/30 07:55
S67	56794	(valve or port) and ((circulating or circulate or circulated or swirl or swirling or swirled) with (fluid or liquid))	US-PGPUB; USPAT	ADJ	ON	2008/12/30 07:55
S69	11	("20020193752" "20050171510" "3880401" "4141379" "4197848" "4601703" "5520661" "5817069" "5961497" "5957898" "6595964").PN.	US-PGPUB; USPAT	ADJ	ON	2008/12/30 07:59
S70	259	(valve or port) and ((swirl or swirling or swirled) with (fluid or liquid)) and (stagnate or stagnating or stagnation or stagnated)	US-PGPUB; USPAT	ADJ	ON	2008/12/30 08:04

S71	21706	(valve or port) same ((circulating or circulate or circulated or swirl or swirling or swirled) with (fluid or liquid))	US-PGPUB; USPAT	ADJ	ON	2008/12/30 08:05
S72	490	S71 and (stagnate or stagnating or stagnation or stagnated)	US-PGPUB; USPAT	ADJ	ON	2008/12/30 08:06
S73	13	("3413995" "3515158" "3563260" "3592213"). PN. OR ("3712321").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/12/30 08:16
S74	83	137/808.ccls.	US-PGPUB; USPAT	ADJ	ON	2008/12/30 08:18
S75	87	137/812.ccls.	US-PGPUB; USPAT	ADJ	ON	2008/12/30 08:19
S78	81	S75 not S74	US-PGPUB; USPAT	ADJ	ON	2008/12/30 08:44
S79	275	S71 and septum	US-PGPUB; USPAT	ADJ	ON	2008/12/30 08:58
S81	298	((("20010007641") or ("20010012930") or ("20010039403") or ("20010047154") or ("20010049503") or ("20010056266") or ("20020045892") or ("20020091378") or ("20020094305") or ("20020095121") or ("20020095138") or ("20020111645") or ("20020130100") or ("20020131904") or ("20020132367") or ("20020133124") or ("20020133136") or ("20020156469") or ("20020166394") or ("20020169489") or ("20020170556") or ("20020173769") or ("20030014095") or ("20030036742") or ("20030098430") or ("20030125721") or ("3841160") or ("3877310") or ("4012325") or ("4084718") or ("4274285") or ("4413534") or ("4455504") or ("4485268") or ("4511355") or	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/30 09:04

("4546659") or
("4559043") or
("4569675") or
("4592745") or
("4620170") or
("4621534") or
("4755173") or
("4760847") or
("4762981") or
("4769008") or
("4772273") or
("4775635") or
("4776841") or
("4778448") or
("4780213") or
("4790829") or
("4802885") or
("4806313") or
("4810389") or
("4815477") or
("4817637") or
("4818266") or
("4822341") or
("4828599") or
("4832054") or
("4842581") or
("4846806") or
("4872866") or
("4880414") or
("4886177") or
("4908029") or
("4915693") or
("4930535") or
("4931050") or
("4946445") or
("4952210") or
("4960409") or
("4963133") or
("4976894") or
("4981469") or
("4995865") or
("4998926") or
("4998927") or
("4999307") or
("5002059") or
("5064100") or
("5178607") or
("5193545") or
("5197982") or
("5221256") or
("5226900") or
("5236666") or
("5247972") or
("5254086") or
("5265822") or
("5281210") or
("5290248") or

("5290254") or
("5292308") or
("5309902") or
("5330424") or
("5335656") or
("5338311") or
("5346471") or
("5352205") or
("5353652") or
("5360423") or
("5376073") or
("5378230") or
("5378433") or
("5380276") or
("5400785") or
("5433195") or
("5437648") or
("5445141") or
("5451373") or
("5456675") or
("5466219") or
("5480386") or
("5486159") or
("5487728") or
("5490736") or
("5495855") or
("5496274") or
("5496288") or
("5496301") or
("5501667") or
("5514100") or
("5514117") or
("5516491") or
("5520643") or
("5531672") or
("5536262") or
("5549582") or
("5553748") or
("5554117") or
("5562618") or
("5571093") or
("5588952") or
("5591329") or
("5607393") or
("5607407") or
("5613945") or
("5622869") or
("5632729") or
("5647845") or
("5649998") or
("5656035")).PN. or
(("5665311") or
("5667500") or
("5669502") or
("5683640") or
("5685862") or
("5685875") or

("5688253") or
("5689542") or
("5696380") or
("5702033") or
("5704915") or
("5707361") or
("5707536") or
("5708220") or
("5711917") or
("5712421") or
("5718678") or
("5721576") or
("5725017") or
("5738091") or
("5738648") or
("5743861") or
("5743873") or
("5746727") or
("5750906") or
("5766211") or
("5772607") or
("5776113") or
("5777646") or
("5778681") or
("5782816") or
("5797897") or
("5814275") or
("5815182") or
("5833213") or
("5853394") or
("5866910") or
("5871500") or
("5871641") or
("5882528") or
("5882601") or
("5885532") or
("5889197") or
("5891105") or
("5897526") or
("5899888") or
("5900896") or
("5919146") or
("5925569") or
("5941848") or
("5945070") or
("5950986") or
("5954313") or
("5954687") or
("5954691") or
("5957890") or
("5957894") or
("5971220") or
("5976103") or
("5980834") or
("5983734") or
("5989216") or
("5994705") or

("6004819") or
("6007516") or
("6012453") or
("6035697") or
("6077478") or
("6085815") or
("6096024") or
("6109480") or
("6110730") or
("6113068") or
("6145688") or
("6158458") or
("6162206") or
("6164771") or
("6171261") or
("6178832") or
("6190616") or
("6193684") or
("6193697") or
("6206851") or
("6213996") or
("6213996") or
("6217568") or
("6217568") or
("6228060") or
("6261266") or
("6289751") or
("6293162") or
("6293294") or
("6299131") or
("6352521") or
("6360784") or
("6375028") or
("6395235") or
("6406671") or
("6409528") or
("6418800") or
("6447498") or
("6479298") or
("6497325") or
("6506182") or
("6511165") or
("6516953") or
("6551839") or
("6569125") or
("6579267") or
("6599273") or
("6602276") or
("6605076") or
("6607546") or
("6622882") or
("6626169") or
("6679103") or
("6689109") or
("6706022") or
("6729370") or
("6793892") or

		("6802490") or ("6803022") or ("6874656") or ("6886421") or ("6905494") or ("6908226") or ("6921395") or ("6959615") or ("6962577") or ("6979323") or ("7001378") or ("7008051") or ("7041218") or ("7056316") or ("7063673") or ("7070589") or ("7087437") or ("7097632") or ("7104520") or ("7125396") or ("7127957") or ("7140592") or ("7153477") or ("7184825") or ("7198611") or ("7214215") or ("7232428") or ("7264394") or ("7288089") or ("7291144")).PN. or (("7306199") or ("7331705") or ("7367968") or ("7387216") or ("7449018") or ("7468164") or ("7470257")).PN.				
S82	96	("2106638" "3192949" "3326521" "3799132" "3799171" "3806086" "3831629" "4103686" "4128098" "4349021" "4375825" "4559043" "4617015" "4681132" "4683916" "4723550" "4776369" "4781674" "4908018" "4915687" "4934655" "5024657" "5060812" "5085645" "5104093" "5108380" "5116021" "5149054" "5163922" "5181913" "5181921" "5195967" "5199947" "5201725" "5203775" "5215538" "5217434" "5230706" "5242393" "5242423"	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/12/30 09:09

		"5242432" "5250028" "5250034" "5251873" "5259839" "5269771" "5280876" "5284475" "5289849" "5290263" "5300033" "5300044" "5308334" "5322518" "5330435" "5334170" "5336174" "5336192" "5338313" "5353837" "5356375" "5360413" "5364371" "5370624" "5390898" "5391150" "5395348" "5399171" "5401255" "5405323" "5425465" "5429256" "5433330" "5464938" "5470319" "5533983" "5535771" "5535785" "5573525" "5578059" "5618268" "5645538" "5685866" "5782816" "5788215" "5833213"). PN. OR ("6158458").URPN.				
S83	34	("2646059" "3037522" "3085591" "3403696" "3648728" "3768508" "4550749" "4560375" "4609006" "4636194" "4675003").PN. OR ("4781674").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/12/30 09:23
S84	5567	(valve or port) and plate and septum	US-PGPUB; USPAT	ADJ	ON	2008/12/30 09:38
S86	180	(valve or port) same plate same septum same (fluid or liquid)	US-PGPUB; USPAT	ADJ	ON	2008/12/30 09:39
S85	404	(valve or port) same plate same septum	US-PGPUB; USPAT	ADJ	ON	2008/12/30 09:39
S87	1	("6468251").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/30 10:14
S88	740	604/905.ccls.	US-PGPUB; USPAT	ADJ	ON	2008/12/30 10:16
S97	1	("5961497").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/30 10:59
S98	1	("4197848").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/30 12:35
S99	2	((("5961497") or ("5775671")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/05/04 09:09
S100	2	((("5961497") or ("5775671")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/08/27 11:07

S101	3	((("5961497") or ("5775671") or ("5817069")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/08/27 11:17
S102	2	((("5961497") or ("5775671")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/02/07 14:19
S103	31	("3192949" "3570484" "4387879" "4429856" "4683916" "4842591" "5190067" "5390898" "5456675" "5465938" "5535785" "5540661").PN. OR ("5775671").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2011/02/07 14:36
S105	40	septum with slit same plate	US-PGPUB; USPAT	ADJ	ON	2011/02/07 15:54
S104	1997	septum same plate	US-PGPUB; USPAT	ADJ	ON	2011/02/07 15:54
S106	60	("4568081" "4856533" "4950257" "5061738" "5104389" "5179174" "5203775" "5207656").PN. OR ("5540661").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2011/02/07 16:12
S107	241	("20030050610" "20030093061" "20030098430" "20030141477" "20040006330" "20040073171" "20040124388" "20050038397" "20050087239" "20050087241" "20050090805" "20050121638" "20050165365" "20050222541" "20050228362" "20050256457" "20060108555" "20060129109" "20060161115" "20060178645" "20060200072" "20060200088" "20060200089" "20060200090" "20060206061" "20060211997" "20060211998" "20060211999" "20060217671" "20060264848" "20060264849" "20060270999" "20060271016"	US-PGPUB; USPAT; USOCR	ADJ	ON	2011/02/07 16:37

"20060293629"		
"20070100284"		
"20070112312"		
"20070112313"		
"20070235674"		
"20070235675"		
"20070235676"		
"20070238337"		
"20070246674"		
"20070255229"		
"20070260195"		
"20070270756"		
"20080027398"		
"20080027415"		
"20080039802"		
"20080172003"		
"20080172005"		
"20080190485"		
"20080275405"		
"20090057589"		
"2705501"		"2919935"
"3087492"		"3192949"
"3279497"		"3385301"
"3399677"		"3423063"
"3618892"		"3806086"
"3831629"		"3838843"
"3921656"		"3923065"
"3965910"		"4063555"
"4080965"		"4116201"
"4143853"		"4181149"
"4223808"		"4324239"
"4335747"		"4344435"
"4421296"		"4445664"
"4473211"		"4496348"
"4535820"		"4627598"
"4664149"		"4675003"
"4683905"		"4683916"
"4710168"		"4712583"
"4743235"		"4745950"
"4752287"		"4809679"
"4819684"		"4905965"
"4915687"		"4917668"
"4944329"		"5006114"
"5041087"		"5049128"
"5050841"		"5080654"
"5085645"		"5098394"
"5100394"		"5108380")
PN. OR ("5147333"		
"5171230"		"5184652"
"5203775"		"5215538"
"5230706"		"5242393"
"5242432"		"5269771"
"5295657"		"5300034"
"5330435"		"5342326"
"5360413"		"5380306"
"5390898"		"5397314"
"5401255"		"5403284"

"5439451"	"5458640"
"5465938"	"5474536"
"5474544"	"5489274"
"5509433"	"5509912"
"5520666"	"5533708"
"5533983"	"5540661"
"5549566"	"5569235"
"5573516"	"5578059"
"5616129"	"5616130"
"5620434"	"5674206"
"5676346"	"5685866"
"5694686"	"5695466"
"5699821"	"5700248"
"5730418"	"5749861"
"5782816"	"5806831"
"5820601"	"5836923"
"5921264"	"5947954"
"5957898"	"6029946"
"6036171"	"6039302"
"6048335"	"6050978"
"6063062"	"6068011"
"6079432"	"6089539"
"6089541"	"6090074"
"6117114"	"6142446"
"6152900"	"6183448"
"6206860"	"6206861"
"6228069"	"6245048"
"6290206"	"6344033"
"6364869"	"6422267"
"6428520"	"6485472"
"6491668"	"6541802"
"6543745"	"6595964"
"6595981"	"6598620"
"6609696"	"6669673"
"6695817"	"6706022"
"6755391"	"6779777"
"6802490"	"6811139"
"6827329"	"6840501"
"6869426"	"6883778"
"6899132"	"6916309"
"6932795"	"6964406"
"6991215"	"7004934"
"7014169"	"7028982"
"7037302"	"7056308"
"7063685"	"7070164"
"7104520"	"7114701"
"7118560"	"7125396"
"7131458"	"7184825"
"7244249"	"7306199"
"7314061"	"7329249"
"7343931"	"7357792"
"7396348"	"7497848"
"7497849"	"7510545")
PN. OR ("RE35841").PN.	
OR ("7857284").URPN.	

S108	460	"20010045539"	US-PGPUB; USPAT; USOCR	ADJ	ON	2011/02/07 16:40
		"20010049508"				
		"20010051791"				
		"20010051793"				
		"20020007157"				
		"20020024036"				
		"20020032433"				
		"20020038114"				
		"20020062106"				
		"20020082586"				
		"20020099360"				
		"20020108614"				
		"20020115981"				
		"20020115984"				
		"20020117645"				
		"20020128595"				
		"20020128607"				
		"20020133124"				
		"20020138047"				
		"20020143300"				
		"20020143301"				
		"20020147429"				
		"20020147431"				
		"20020153503"				
		"20020156431"				
		"20020161334"				
		"20020193752"				
		"20030028156"				
		"20030032940"				
		"20030036735"				
		"20030050610"				
		"20030060779"				
		"20030060804"				
		"20030066978"				
		"20030066980"				
		"20030085372"				
		"20030093061"				
		"20030098430"				
		"20030105452"				
		"20030109853"				
		"20030120221"				
		"20030127620"				
		"20030141477"				
		"20030144626"				
		"20030144647"				
		"20030181850"				
		"20030181854"				
		"20030183795"				
		"20030195478"				
		"20030199835"				
		"20030208165"				
		"20030209681"				
		"20030216712"				
		"20030225379"				
		"20030236497"				
		"20040006330"				
		"20040019344"				

"20040030321"	
"20040068238"	
"20040068239"	
"20040073174"	
"20040073176"	
"20040092886"	
"20040102738"	
"20040111078"	
"20040116869"	
"20040122418"	
"20040124388"	
"20040124389"	
"20040138641"	
"20040162517"	
"20040162540"	
"20040171993"	
"20040172006"	
"20040186458"	
"20040193119"	
"20040199126"	
"20040204699"	
"20040206924"	
"20040210194"	
"20040225274"	
"20040227120"	
"20040236314"	
"20040243065"	
"20040243069"	
"20040243070"	
"20040249349"	
"20040254534"	
"20040260243"	
"20040260266"	
"20050010168"	
"20050015070"	
"20050021000")	
PN. OR	
("20050033267"	
"20050033268"	
"20050033269"	
"20050038397"	
"20050059952"	
"20050087715"	
"20050090805"	
"20050096585"	
"20050107770"	
"20050119613"	
"20050121638"	
"20050124935"	
"20050124942"	
"20050124943"	
"20050154372"	
"20050159710"	
"20050165365"	
"20050171487"	
"20050209555"	
"20050228362"	
"20050256460"	

"20050256461"
"20050261637"
"20050261665"
"20050267445"
"20060015086"
"20060025724"
"20060025751"
"20060027270"
"20060047251"
"20060074386"
"20060089603"
"20060089604"
"20060089605"
"20060111694"
"20060129109"
"20060129112"
"20060142735"
"20060149213"
"20060161115"
"20060173420"
"20060178645"
"20060184139"
"20060184140"
"20060200072"
"20060200095"
"20060200096"
"20060206058"
"20060206059"
"20060211997"
"20060211998"
"20060211999"
"20060212000"
"20060212001"
"20060212002"
"20060212003"
"20060212005"
"20060212006"
"20060217671"
"20060217679"
"20060217683"
"20060229571"
"20060229590"
"20060264842"
"20060264843"
"20060264844"
"20060264845"
"20060264846"
"20060264847"
"20060264848"
"20060264890"
"20060264891"
"20060264892"
"20060264894"
"20060264908"
"20060264909"
"20060264910"
"20060270999"

"20060271012"	
"20060271015"	
"20060271016"	
"20060276757"	
"20060276758"	
"20060287638"	
"20060287639"	
"20060293629"	
"20060293640"	
"20070032775"	
"20070032776"	
"20070038189"	
"20070043334"	
"20070060898"	
"20070060902").PN. OR	
("20070060904"	
"20070073242"	
"20070078393"	
"20070078429"	
"20070083157"	
"20070088252"	
"20070088292"	
"20070088293"	
"20070088294"	
"20070088313"	
"20070088324"	
"20070088325"	
"20070088327"	
"20070093764"	
"20070100294"	
"20070112311"	
"20070112312"	
"20070112313"	
"20070112314"	
"20070112332"	
"20070112333"	
"20070129705"	
"20070156112"	
"20070156118"	
"4176588"	"4334551"
"4413462"	"4475548"
"4691929"	"4928212"
"4943896"	"4946445"
"4964855"	"4973443"
"4998713"	"4998927"
"5009490"	"5019325"
"5046456"	"5064416"
"5065783"	"5100394"
"5114408"	"5122123"
"5135489"	"5154703"
"5158554"	"5171234"
"5188620"	"5199947"
"5201717"	"5203775"
"5211638"	"5242393"
"5242425"	"5242432"
"5251873"	"5256155"
"5269763"	"5269771"

"5280876"	"5290254"
"5295657"	"5295658"
"5312377"	"5323264"
"5324270"	"5344414"
"5360413"	"5401245"
"5402982"	"5411499"
"5417673"	"5470319"
"5487731"	"5492147"
"5514109"	"5533708"
"5540661"	"5549566"
"5549651"	"5556388"
"5578059"	"5602016"
"5609584"	"5616129"
"5616130"	"5676346"
"5677141"	"5685866"
"5690612"	"5695466"
"5699821"	"5700248"
"5730418"	"5738663"
"5773272"	"5788675"
"5797897"	"5820601"
"5836923"	"5865807"
"5873862"	"5901942"
"5928204"	"5957898"
"5967490"	"5971965"
"6019748"	"6029946"
"6036171"	"6039302"
"6048335"	"6089541"
"6113068"	"6132403"
"6132404").PN. OR	
("6146396"	"6152900"
"6162251"	"6171287"
"6177037"	"6183448"
"6187476"	"6210624"
"6228069"	"6245048"
"6261268"	"6261282"
"6290206"	"6299132"
"6325782"	"6341802"
"6344033"	"6355023"
"6364869"	"6374876"
"6383168"	"6390120"
"6390130"	"6394983"
"6394992"	"6402723"
"6408897"	"6409707"
"6409708"	"6423053"
"6428520"	"6440107"
"6467732"	"6481756"
"6482188"	"6485472"
"6486630"	"6491668"
"6508807"	"6520932"
"6536805"	"6537258"
"6539248"	"6541802"
"6543745"	"6544236"
"6569118"	"6569125"
"6572590"	"6572591"
"6572592"	"6581906"
"6585229"	"6595954"
"6595964"	"6599273"

		"6605076" "6609696"				
		"6620119" "6626418"				
		"6634033" "6635044"				
		"6638244" "6638258"				
		"6651956" "6655655"				
		"6666839" "6669673"				
		"6669681" "6673059"				
		"6679529" "6681810"				
		"6682509" "6695817"				
		"6699222" "6706022"				
		"6716187" "6716189"				
		"6722705" "6723074"				
		"6726651" "6726672"				
		"6730883" "6745998"				
		"6746438" "6755391"				
		"6758833" "6770051"				
		"6802490" "6802836"				
		"6808161" "6808509"				
		"6811139" "6814726"				
		"6827709" "6827710"				
		"6834842" "6840501"				
		"6843513" "6866656"				
		"6869426" "6871087"				
		"6874522" "6878905"				
		"6880801" "6883778"				
		"6893056" "6902207"				
		"6908459" "6911025"				
		"6916309" "6918500"				
		"6932795" "6953450"				
		"6955669" "6960198"				
		"6964406" "6969381"				
		"6972001" "6974446"				
		"6994315" "7004934"				
		"7008406" "7014169"				
		"7025744").PN. OR				
		("7033339" "7037302"				
		"7041087" "7044441"				
		"7044937" "7081600"				
		"7083605" "7090191"				
		"7097209" "7100891"				
		"7104520" "7114701"				
		"7118560" "7128348"				
		"7137974" "7140592"				
		"7153296" "7156826"				
		"7160272" "7172572"				
		"7174923" "7175615"				
		"7182313" "7184825"				
		"D321250" "D321251"				
		"RE35841" "RE36587"				
		"RE36661" "RE38145"				
		"RE39334" "RE39499").				
		PN. OR ("7753338").URPN.				
S110	0	S109 not S107	US-PGPUB; USPAT	ADJ	ON	2011/02/07 16:42

S109	241	("20030050610" "20030093061" "20030098430" "20030141477" "20040006330" "20040073171" "20040124388" "20050038397" "20050087239" "20050087241" "20050090805" "20050121638" "20050165365" "20050222541" "20050228362" "20050256457" "20060108555" "20060129109" "20060161115" "20060178645" "20060200072" "20060200088" "20060200089" "20060200090" "20060206061" "20060211997" "20060211998" "20060211999" "20060217671" "20060264848" "20060264849" "20060270999" "20060271016" "20060293629" "20070100284" "20070112312" "20070112313" "20070235674" "20070235675" "20070235676" "20070238337" "20070246674" "20070255229" "20070260195" "20070270756" "20080027398" "20080027415" "20080039802" "20080172003" "20080172005" "20080190485" "20080275405" "20090057589" "2705501" "2919935" "3087492" "3192949" "3279497" "3385301" "3399677" "3423063"	US-PGPUB; USPAT; USOCR	ADJ	ON	2011/02/07 16:42
------	-----	--	---------------------------	-----	----	---------------------

"3618892"	"3806086"
"3831629"	"3838843"
"3921656"	"3923065"
"3965910"	"4063555"
"4080965"	"4116201"
"4143853"	"4181149"
"4223808"	"4324239"
"4335747"	"4344435"
"4421296"	"4445664"
"4473211"	"4496348"
"4535820"	"4627598"
"4664149"	"4675003"
"4683905"	"4683916"
"4710168"	"4712583"
"4743235"	"4745950"
"4752287"	"4809679"
"4819684"	"4905965"
"4915687"	"4917668"
"4944329"	"5006114"
"5041087"	"5049128"
"5050841"	"5080654"
"5085645"	"5098394"
"5100394"	"5108380")
PN. OR ("5147333"	
"5171230"	"5184652"
"5203775"	"5215538"
"5230706"	"5242393"
"5242432"	"5269771"
"5295657"	"5300034"
"5330435"	"5342326"
"5360413"	"5380306"
"5390898"	"5397314"
"5401255"	"5403284"
"5439451"	"5458640"
"5465938"	"5474536"
"5474544"	"5489274"
"5509433"	"5509912"
"5520666"	"5533708"
"5533983"	"5540661"
"5549566"	"5569235"
"5573516"	"5578059"
"5616129"	"5616130"
"5620434"	"5674206"
"5676346"	"5685866"
"5694686"	"5695466"
"5699821"	"5700248"
"5730418"	"5749861"
"5782816"	"5806831"
"5820601"	"5836923"
"5921264"	"5947954"
"5957898"	"6029946"
"6036171"	"6039302"
"6048335"	"6050978"
"6063062"	"6068011"
"6079432"	"6089539"
"6089541"	"6090074"
"6117114"	"6142446"

		"6152900" "6183448" "6206860" "6206861" "6228069" "6245048" "6290206" "6344033" "6364869" "6422267" "6428520" "6485472" "6491668" "6541802" "6543745" "6595964" "6595981" "6598620" "6609696" "6669673" "6695817" "6706022" "6755391" "6779777" "6802490" "6811139" "6827329" "6840501" "6869426" "6883778" "6899132" "6916309" "6932795" "6964406" "6991215" "7004934" "7014169" "7028982" "7037302" "7056308" "7063685" "7070164" "7104520" "7114701" "7118560" "7125396" "7131458" "7184825" "7244249" "7306199" "7314061" "7329249" "7343931" "7357792" "7396348" "7497848" "7497849" "7510545"). PN. OR ("RE35841").PN. OR ("7879012").URPN.				
S111	607	S107 or S108	US-PGPUB; USPAT	ADJ	ON	2011/02/07 16:55
S112	148	("4421296" "4610469" "4684364" "5009391" "5062836" "5064416" "5149327" "5156596" "5188620" "5195980"). PN. OR ("5269771").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2011/02/08 13:33
S116	88	S112 not S115	US-PGPUB; USPAT	ADJ	ON	2011/02/08 13:34
S115	607	S113 or S114	US-PGPUB; USPAT	ADJ	ON	2011/02/08 13:34

S114	460	("20010045539"	US-PGPUB; USPAT; USOCR	ADJ	ON	2011/02/08 13:34
		"20010049508"				
		"20010051791"				
		"20010051793"				
		"20020007157"				
		"20020024036"				
		"20020032433"				
		"20020038114"				
		"20020062106"				
		"20020082586"				
		"20020099360"				
		"20020108614"				
		"20020115981"				
		"20020115984"				
		"20020117645"				
		"20020128595"				
		"20020128607"				
		"20020133124"				
		"20020138047"				
		"20020143300"				
		"20020143301"				
		"20020147429"				
		"20020147431"				
		"20020153503"				
		"20020156431"				
		"20020161334"				
		"20020193752"				
		"20030028156"				
		"20030032940"				
		"20030036735"				
		"20030050610"				
		"20030060779"				
		"20030060804"				
		"20030066978"				
		"20030066980"				
		"20030085372"				
		"20030093061"				
		"20030098430"				
		"20030105452"				
		"20030109853"				
		"20030120221"				
		"20030127620"				
		"20030141477"				
		"20030144626"				
		"20030144647"				
		"20030181850"				
		"20030181854"				
		"20030183795"				
		"20030195478"				
		"20030199835"				
		"20030208165"				
		"20030209681"				
		"20030216712"				
		"20030225379"				
		"20030236497"				
		"20040006330"				
		"20040019344"				

"20040030321"	
"20040068238"	
"20040068239"	
"20040073174"	
"20040073176"	
"20040092886"	
"20040102738"	
"20040111078"	
"20040116869"	
"20040122418"	
"20040124388"	
"20040124389"	
"20040138641"	
"20040162517"	
"20040162540"	
"20040171993"	
"20040172006"	
"20040186458"	
"20040193119"	
"20040199126"	
"20040204699"	
"20040206924"	
"20040210194"	
"20040225274"	
"20040227120"	
"20040236314"	
"20040243065"	
"20040243069"	
"20040243070"	
"20040249349"	
"20040254534"	
"20040260243"	
"20040260266"	
"20050010168"	
"20050015070"	
"20050021000")	.PN. OR
("20050033267"	
"20050033268"	
"20050033269"	
"20050038397"	
"20050059952"	
"20050087715"	
"20050090805"	
"20050096585"	
"20050107770"	
"20050119613"	
"20050121638"	
"20050124935"	
"20050124942"	
"20050124943"	
"20050154372"	
"20050159710"	
"20050165365"	
"20050171487"	
"20050209555"	
"20050228362"	
"20050256460"	

"20050256461"
"20050261637"
"20050261665"
"20050267445"
"20060015086"
"20060025724"
"20060025751"
"20060027270"
"20060047251"
"20060074386"
"20060089603"
"20060089604"
"20060089605"
"20060111694"
"20060129109"
"20060129112"
"20060142735"
"20060149213"
"20060161115"
"20060173420"
"20060178645"
"20060184139"
"20060184140"
"20060200072"
"20060200095"
"20060200096"
"20060206058"
"20060206059"
"20060211997"
"20060211998"
"20060211999"
"20060212000"
"20060212001"
"20060212002"
"20060212003"
"20060212005"
"20060212006"
"20060217671"
"20060217679"
"20060217683"
"20060229571"
"20060229590"
"20060264842"
"20060264843"
"20060264844"
"20060264845"
"20060264846"
"20060264847"
"20060264848"
"20060264890"
"20060264891"
"20060264892"
"20060264894"
"20060264908"
"20060264909"
"20060264910"
"20060270999"

"20060271012"	
"20060271015"	
"20060271016"	
"20060276757"	
"20060276758"	
"20060287638"	
"20060287639"	
"20060293629"	
"20060293640"	
"20070032775"	
"20070032776"	
"20070038189"	
"20070043334"	
"20070060898"	
"20070060902").PN. OR	
("20070060904"	
"20070073242"	
"20070078393"	
"20070078429"	
"20070083157"	
"20070088252"	
"20070088292"	
"20070088293"	
"20070088294"	
"20070088313"	
"20070088324"	
"20070088325"	
"20070088327"	
"20070093764"	
"20070100294"	
"20070112311"	
"20070112312"	
"20070112313"	
"20070112314"	
"20070112332"	
"20070112333"	
"20070129705"	
"20070156112"	
"20070156118"	
"4176588" "4334551"	
"4413462" "4475548"	
"4691929" "4928212"	
"4943896" "4946445"	
"4964855" "4973443"	
"4998713" "4998927"	
"5009490" "5019325"	
"5046456" "5064416"	
"5065783" "5100394"	
"5114408" "5122123"	
"5135489" "5154703"	
"5158554" "5171234"	
"5188620" "5199947"	
"5201717" "5203775"	
"5211638" "5242393"	
"5242425" "5242432"	
"5251873" "5256155"	
"5269763" "5269771"	

"5280876"	"5290254"
"5295657"	"5295658"
"5312377"	"5323264"
"5324270"	"5344414"
"5360413"	"5401245"
"5402982"	"5411499"
"5417673"	"5470319"
"5487731"	"5492147"
"5514109"	"5533708"
"5540661"	"5549566"
"5549651"	"5556388"
"5578059"	"5602016"
"5609584"	"5616129"
"5616130"	"5676346"
"5677141"	"5685866"
"5690612"	"5695466"
"5699821"	"5700248"
"5730418"	"5738663"
"5773272"	"5788675"
"5797897"	"5820601"
"5836923"	"5865807"
"5873862"	"5901942"
"5928204"	"5957898"
"5967490"	"5971965"
"6019748"	"6029946"
"6036171"	"6039302"
"6048335"	"6089541"
"6113068"	"6132403"
"6132404").PN. OR	
("6146396"	"6152900"
"6162251"	"6171287"
"6177037"	"6183448"
"6187476"	"6210624"
"6228069"	"6245048"
"6261268"	"6261282"
"6290206"	"6299132"
"6325782"	"6341802"
"6344033"	"6355023"
"6364869"	"6374876"
"6383168"	"6390120"
"6390130"	"6394983"
"6394992"	"6402723"
"6408897"	"6409707"
"6409708"	"6423053"
"6428520"	"6440107"
"6467732"	"6481756"
"6482188"	"6485472"
"6486630"	"6491668"
"6508807"	"6520932"
"6536805"	"6537258"
"6539248"	"6541802"
"6543745"	"6544236"
"6569118"	"6569125"
"6572590"	"6572591"
"6572592"	"6581906"
"6585229"	"6595954"
"6595964"	"6599273"

"6605076"	"6609696"
"6620119"	"6626418"
"6634033"	"6635044"
"6638244"	"6638258"
"6651956"	"6655655"
"6666839"	"6669673"
"6669681"	"6673059"
"6679529"	"6681810"
"6682509"	"6695817"
"6699222"	"6706022"
"6716187"	"6716189"
"6722705"	"6723074"
"6726651"	"6726672"
"6730883"	"6745998"
"6746438"	"6755391"
"6758833"	"6770051"
"6802490"	"6802836"
"6808161"	"6808509"
"6811139"	"6814726"
"6827709"	"6827710"
"6834842"	"6840501"
"6843513"	"6866656"
"6869426"	"6871087"
"6874522"	"6878905"
"6880801"	"6883778"
"6893056"	"6902207"
"6908459"	"6911025"
"6916309"	"6918500"
"6932795"	"6953450"
"6955669"	"6960198"
"6964406"	"6969381"
"6972001"	"6974446"
"6994315"	"7004934"
"7008406"	"7014169"
"7025744")	PN. OR
("7033339"	"7037302"
"7041087"	"7044441"
"7044937"	"7081600"
"7083605"	"7090191"
"7097209"	"7100891"
"7104520"	"7114701"
"7118560"	"7128348"
"7137974"	"7140592"
"7153296"	"7156826"
"7160272"	"7172572"
"7174923"	"7175615"
"7182313"	"7184825"
"D321250"	"D321251"
"RE35841"	"RE36587"
"RE36661"	"RE38145"
"RE39334"	"RE39499")
PN. OR ("7753338")	.URPN.

S113	241	("20030050610" "20030093061" "20030098430" "20030141477" "20040006330" "20040073171" "20040124388" "20050038397" "20050087239" "20050087241" "20050090805" "20050121638" "20050165365" "20050222541" "20050228362" "20050256457" "20060108555" "20060129109" "20060161115" "20060178645" "20060200072" "20060200088" "20060200089" "20060200090" "20060206061" "20060211997" "20060211998" "20060211999" "20060217671" "20060264848" "20060264849" "20060270999" "20060271016" "20060293629" "20070100284" "20070112312" "20070112313" "20070235674" "20070235675" "20070235676" "20070238337" "20070246674" "20070255229" "20070260195" "20070270756" "20080027398" "20080027415" "20080039802" "20080172003" "20080172005" "20080190485" "20080275405" "20090057589" "2705501" "2919935" "3087492" "3192949" "3279497" "3385301" "3399677" "3423063"	US-PGPUB; USPAT; USOCR	ADJ	ON	2011/02/08 13:34
------	-----	---	---------------------------	-----	----	---------------------

"3618892"	"3806086"
"3831629"	"3838843"
"3921656"	"3923065"
"3965910"	"4063555"
"4080965"	"4116201"
"4143853"	"4181149"
"4223808"	"4324239"
"4335747"	"4344435"
"4421296"	"4445664"
"4473211"	"4496348"
"4535820"	"4627598"
"4664149"	"4675003"
"4683905"	"4683916"
"4710168"	"4712583"
"4743235"	"4745950"
"4752287"	"4809679"
"4819684"	"4905965"
"4915687"	"4917668"
"4944329"	"5006114"
"5041087"	"5049128"
"5050841"	"5080654"
"5085645"	"5098394"
"5100394"	"5108380")
PN. OR ("5147333"	
"5171230"	"5184652"
"5203775"	"5215538"
"5230706"	"5242393"
"5242432"	"5269771"
"5295657"	"5300034"
"5330435"	"5342326"
"5360413"	"5380306"
"5390898"	"5397314"
"5401255"	"5403284"
"5439451"	"5458640"
"5465938"	"5474536"
"5474544"	"5489274"
"5509433"	"5509912"
"5520666"	"5533708"
"5533983"	"5540661"
"5549566"	"5569235"
"5573516"	"5578059"
"5616129"	"5616130"
"5620434"	"5674206"
"5676346"	"5685866"
"5694686"	"5695466"
"5699821"	"5700248"
"5730418"	"5749861"
"5782816"	"5806831"
"5820601"	"5836923"
"5921264"	"5947954"
"5957898"	"6029946"
"6036171"	"6039302"
"6048335"	"6050978"
"6063062"	"6068011"
"6079432"	"6089539"
"6089541"	"6090074"
"6117114"	"6142446"

		"6152900" "6183448" "6206860" "6206861" "6228069" "6245048" "6290206" "6344033" "6364869" "6422267" "6428520" "6485472" "6491668" "6541802" "6543745" "6595964" "6595981" "6598620" "6609696" "6669673" "6695817" "6706022" "6755391" "6779777" "6802490" "6811139" "6827329" "6840501" "6869426" "6883778" "6899132" "6916309" "6932795" "6964406" "6991215" "7004934" "7014169" "7028982" "7037302" "7056308" "7063685" "7070164" "7104520" "7114701" "7118560" "7125396" "7131458" "7184825" "7244249" "7306199" "7314061" "7329249" "7343931" "7357792" "7396348" "7497848" "7497849" "7510545"). PN. OR ("RE35841").PN. OR ("7857284").URPN.				
S117	44	("2462189" "2497906" "2758609" "2908283" "3176712" "3190496" "3508576" "3599657" "3710942" "3807430" "3827456" "4003398" "4141379" "4188978" "4241756" "4334786" "4355639" "4593720" "4712583" "4986310" "5025829" "5069243" "5269771" "5273546" "5305795" "5617897" "5697770" "5727594"). PN. OR ("6089272").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2011/02/08 13:40
S119	91	S118 not S115	US-PGPUB; USPAT	ADJ	ON	2011/02/08 13:45

S118	125	("2079692" "3352531" "3933210" "3977400" "3986508" "4244607" "4511359" "4601703" "4610665" "4735441" "4765588" "4768568" "4857062" "4874377" "4886507" "4895346" "4909798" "4917668" "4950257" "4966588" "5000745" "5006114" "5041095" "5059186" "5092857" "5100394" "5104389" "5171234" "5188620" "5199948" "5205775" "5207656" "5211634" "5215537" "5242393" "5251873" "5269771" "5312377" "D321251").PN. OR ("5441487").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2011/02/08 13:45
S120	34	("20020193752" "20030050610" "20030120221" "20040124388" "20040206924" "20050256500" "4765588" "5251873" "5295657" "5295658" "5342316" "5441487" "5474544" "5501426" "5533708" "5549651" "5820601" "5957898" "6029946" "6171287" "6261282" "6344033" "6428520" "6595964" "6651956" "6669681" "6695817" "6840501" "6866656" "6908459" "6916309" "7104520" "7184825" "7244249"). PN. OR ("7806890").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2011/02/08 14:22
S125	106	septum same stagna\$4	US-PGPUB; USPAT	ADJ	ON	2011/02/08 14:54
S128	217	S126 not S127	US-PGPUB; USPAT	ADJ	ON	2011/02/09 12:01
S127	106	septum same stagna\$4	US-PGPUB; USPAT	ADJ	ON	2011/02/09 12:01
S126	224	slit same stagna\$4	US-PGPUB; USPAT	ADJ	ON	2011/02/09 12:01

S129	122	("4323065" "4324239" "4387879" "4443219" "4610469" "4895346" "4929243" "4981469" "5062836" "5078694" "5084032" "5085645" "5100394").PN. OR ("5242393").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2011/02/09 12:31
S130	2	((("6193697") or ("5441487"))).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/02/09 12:57
S131	1	("5775671").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/02/09 13:04
S132	1	("5817069").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/02/09 13:05

EAST Search History (Interference)

< This search history is empty >

2/ 9/ 2011 6:13:26 PM

C:\ Documents and Settings\ spatel\ My Documents\ EAST\ Workspaces\ 10559533 auto save.wsp